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FILE 'EUROPATFULL, PCTFULL, USPATFULL, USPAT2, WPIDS' ENTERED AT  
18:39:13

ON 04 JAN 2002

E NOVO/PA

L1 5254 S E3-E12

L2 68 S L1 AND (POTASSIUM(W) CHANNEL)

L3 25 S L2 NOT PY>=2000

L4 4 S L3 AND (THIENO(20A)THIADIAZINE(20A)DIOXIDE)

L4 ANSWER 4 OF 4 USPATFULL

ACCESSION NUMBER: 1999:40419 USPATFULL

TITLE: Fused 1,2,4-thiadiazine and fused 1,4-thiazine derivatives, their preparation and use

INVENTOR(S): Nielsen, Flemming Elmelund, Virum, Denmark  
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Hansen, John Bondo, Jyderup, Denmark  
Tagmose, Tina M.o slashed.ller, Farum, Denmark  
PATENT ASSIGNEE(S): Novo Nordisk A/S, Bagsvaerd, Denmark  
(non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5889002		19990330
APPLICATION INFO.:	US 1997-785438		19970117 (8)

	NUMBER	DATE
PRIORITY INFORMATION:	DK 1996-41	19960117
	DK 1996-250	19960305
	DK 1996-251	19960305
	DK 1996-252	19960305
	DK 1996-253	19960305
	DK 1996-256	19960305
	DK 1996-259	19960305
	DK 1996-903	19960827

DOCUMENT TYPE: Utility

FILE SEGMENT: Granted

PRIMARY EXAMINER: Grumbling, Matthew V.

LEGAL REPRESENTATIVE: Zelson, Steve T., Gregg, Valeta

NUMBER OF CLAIMS: 31

EXEMPLARY CLAIM: 1

LINE COUNT: 1786

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB 1,2,4-Thiadiazine and 1,4-thiazine derivatives represented by the formula ##STR1## wherein A, B, D, R.sup.1, R.sup.2, R.sup.3 and R.sup.4 are defined in the description, compositions thereof and methods for preparing the compounds are described. The compounds are useful in the treatment of diseases of the central nervous system, the cardiovascular system, the pulmonary system, the gastrointestinal system and the endocrinologic system.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 2 OF 4  
ACCESSION NUMBER:  
TITLE (ENGLISH):  
PREPARATION

PCTFULL COPYRIGHT 2002 MicroPatent  
1999003861 PCTFULL  
FUSED 1,2,4-THIADIAZINE DERIVATIVES, THEIR

AND USE  
TITLE (FRENCH): DERIVES DE 1,2,4-THIADIAZINE FUSIONNEE, LEUR  
PREPARATION ET  
UTILISATION

INVENTOR(S): NIELSEN, Flemming, Elmedlund; HANSEN, John, Bondo;  
HANSEN, Holger, Claus; TAGMOSE, Tina, Moeller;  
MOGENSEN, John, Patrick

PATENT ASSIGNEE(S): NOVO NORDISK A/S

LANGUAGE OF PUBL.: English

LANGUAGE OF FILING: English

DOCUMENT TYPE: Patent

PATENT INFORMATION:

NUMBER KIND DATE

DESIGNATED STATES: WO 9903861 A1 19990128  
AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE  
ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC  
LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU  
SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH GM  
KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE  
CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ  
CF CG CI CM GA GN ML MR NE SN TD TG  
APPLICATION INFO.: WO 1998-DK288 19980630  
PRIORITY (ORIGINAL): DK 1997-0872/97 19970716  
DK 1998-0368/98 19980317

ABEN 1,2,4-Thiadiazine and 1,4-thiazine derivatives represented by  
formula (I) wherein A, B, D, R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>  
</sup> and R<sup>4</sup> </sup> are defined in the description, compositions  
thereof and methods for preparing the compounds are described. The  
compounds are useful in the treatment of diseases of the central nervous  
system, the cardiovascular system, the pulmonary system, the  
gastrointestinal system and the endocrinological system.

ABFR L'invention concerne des derives de 1,2,4-thiadiazine et de 1,4-  
thiazine representes par la formule (I), dans laquelle A, B, D, R<sup>1</sup>  
</sup>, R<sup>2</sup> </sup>, R<sup>3</sup> </sup> et R<sup>4</sup> </sup> sont tels  
que definis dans le descriptif. L'invention concerne en outre des  
compositions de ces derives et des procedes de preparation des composes.  
Les composes sont utiles dans le traitement de maladies du systeme  
nerveux central, l'appareil cardio-vasculaire, le systeme pulmonaire,  
l'appareil digestif et le systeme endocrinien.

L4 ANSWER 3 OF 4  
 PCTFULL COPYRIGHT 2002 MicroPatent  
 1997026265 PCTFULL  
 ACCESSION NUMBER:  
 TITLE (ENGLISH): FUSED 1,2,4-THIADIAZINE AND FUSED 1,4-THIAZINE  
 DERIVATIVES, THEIR  
 PREPARATION AND USE  
 TITLE (FRENCH): DERIVES DE 1,2,4-THIADIAZINE FUSIONNEE ET DE  
 1,4-THIAZINE  
 FUSIONNEE, LEUR PREPARATION ET UTILISATION  
 INVENTOR(S): NIELSEN, Flemming, Elmelund; HANSEN, Holger, Claus;  
 HANSEN, John, Bondo; TAGMOSE, Tina, Moller  
 PATENT ASSIGNEE(S): NOVO NORDISK A/S  
 LANGUAGE OF PUBL.: English  
 DOCUMENT TYPE: Patent  
 PATENT INFORMATION:

	NUMBER	KIND	DATE
	WO 9726265	A1	19970724
DESIGNATED STATES:	AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE HU IL KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SG SI SK TJ TM TR TT UA UG UZ VN KE LS MW SD SZ UG AM AZ BY KG KZ MD RU AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA MR NE SN TD TG		
APPLICATION INFO.:	WO 1997-DK19		19970116
PRIORITY (ORIGINAL):	DK 1996-41/96		19960117
	DK 1996-250/96		19960305
	DK 1996-251/96		19960305
	DK 1996-252/96		19960305
	DK 1996-253/96		19960305
	DK 1996-256/96		19960305
	DK 1996-259/96		19960305
	DK 1996-903/96		19960827
ABEN	1,2,4-thiadiazine and 1,4-thiazine derivatives represented by formula (I) wherein A, B, D, R1, R2, R3 and R4 are defined in the description, compositions thereof and methods for preparing the compounds are described. The compounds are useful in the treatment of diseases of the central nervous system, the cardiovascular system, the pulmonary system, the gastrointestinal system and the endocrinological system.		
ABF	Derives de 1,2,4-thiadiazine et de 1,4-thiazine representes par la formule (I) dans laquelle A, B, D, R1, R2, R3 et R4 sont definis dans la description, leurs compositions et procedes de preparation des composes. Les composes sont utiles dans le traitement de maladies du systeme nerveux central, du systeme cardiovasculaire, du systeme pulmonaire, du systeme gastro-intestinal et du systeme endocrinologique.		